COMBINED DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SCALABLE BLUETOOTH MULTI-MODE RADIO MODULE

the specificati	on of which		
a. [is attached hereto	* *	•
b. [was filed on as applied (if applicable).	cation Serial No and wa	is amended on
	PCT FILED APPLICAT	ΓΙΟΝ ENTERING NATIONAL	STAGE
· c. [was described and claimed in Into on (if any).	ternational Application No	filed on and as amended
	that I have reviewed and understand ended by any amendment referred to		fied specification, including the
I acknowledge	e the duty to disclose information wh	nich is material to patentability a	s defined in 37 C.F.R. § 1.56.
I hereby specito be directed	ify the following as the corresponden:	nce address to which all commun	ications about this application are
SEN	D CORRESPONDENCE TO:	Peter N. Fill MORGAN & FINNEGAN, 345 Park Avenue New York, N.Y. 10154	L.L.P.
DIR	ECT TELEPHONE CALLS TO: 2	212-415-8536	
of ar appli below	reby claim foreign priority benefits unly foreign application(s) for patent or ication(s) designating at least one count with such foreign application(s) for pater by me on the same subject matter has ication on which priority is claimed:	inventor's certificate or under § untry other than the U.S. listed bent or inventor's certificate or su	365(a) of any PCT international elow and also have identified ch PCT international application(s

	Country/PCT	Application Number	Date of filing (day, month, yr)	Date of issue (day, month, yr)	Priority Claimed
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					YN
Ū, [']	I hereby claim the ben	efit under 35 U.S.(C. § 119(e) of any U.S.	. provisional applicati	on(s) listed below.
	Provisional Applica	tion No.	Date of f	iling (day, month, yr)	
7 11	DITIONAL STATEM		dorum, corumitari	TION ON CONTRACTO	2111011 111 11111
	OR PCT IN y claim the benefit unde of any PCT internationa	r Title 35, United S		ny United States appli	
365(c) c	claim the benefit unde	r Title 35, United S l application(s) des	States Code § 120 of an signating the U.S. listen	ny United States appli	cation(s) or under §
365(c) o	claim the benefit unde of any PCT internationa	r Title 35, United 5 1 application(s) des Filin	States Code § 120 of an signating the U.S. listeng Date	ny United States applid below. Status (patented, pend	cation(s) or under § ling, abandoned)/ ssigned (For PCT) ling, abandoned)/

I hereby appoint the following attorneys and/or agents with full power of substitution and revocation, to prosecute this application, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith: John C. Vassil (Reg. No. 19,098), Alfred P. Ewert (Reg. No. 19,887), David H. Pfeffer (Reg. No. 19,825), Harry C. Marcus (Reg. No. 22,390), Robert E. Paulson (Reg. No. 21,046), Stephen R. Smith (Reg. No. 22,615), Kurt E. Richter (Reg. No. 24,052), J. Robert Dailey (Reg. No. 27,434), Eugene Moroz (Reg. No. 25,237), John F. Sweeney (Reg. No. 27,471), Arnold I. Rady (Reg. No. 26,601), Christopher A. Hughes (Reg. No. 26,914), William S. Feiler (Reg. No. 26,728), Joseph A. Calvaruso (Reg. No. 28,287), James W. Gould (Reg. No. 28,859), Richard C. Komson (Reg. No. 27,913), Israel Blum (Reg. No. 26,710), Bartholomew Verdirame (Reg. No. 28,483), Maria C.H. Lin (Reg. No. 29,323), Joseph A. DeGirolamo (Reg. No. 28,595), Michael P. Dougherty (Reg. No. 32,730), Seth J. Atlas (Reg. No. 32,454), Andrew M. Riddles (Reg. No. 31,657), Bruce D. DeRenzi (Reg. No. 33,676), Mark J. Abate (Reg. No. 32,527), John T. Gallagher (Reg. No. 35,516), Steven F. Meyer (Reg. No. 35,613) and Kenneth H. Sonnenfeld (Reg. No. 33,285), Tony V. Pezzano (Reg. No. 36,231), and Robert K. Goethals (Reg. No. 36,813) of Morgan & Finnegan, L.L.P. whose address is: 345 Park Avenue, New York, New York, 10154; and Michael S. Marcus (Reg. No. 31,727) and John E. Hoel (Reg. No. 26,279) of Morgan & Finnegan, L.L.P., whose address is: 1775 Eye Street, Suite 400, Washington, D.C. 20006.

address is 1775 Eye Street, Suite 400, Washington, D.C. 20	006.		•			
I hereby authorize the U.S. attorneys and/or agents from as to any action to be taken in the U.S. without direct communication between the U.S. attorneys and/or agents from as to any action to be taken in the U.S. attorneys may be taken the person(s) from whom instructions may be taken hereinabove.	Patent and Trorneys and/or	rademark agents ai	Office nd me.	regardin In the ev	g this ar	plication change in
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Inventor's signature*						- i
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Full name of sole or first inventor Jukka Reunamäki				• •	
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	•		•		
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Full name of sole or first inventor Paivi M. Ruuska					
		*.		•	
Inventor's signature*				<u>-</u> .	
Residence: Orivedenkatu 8 F 115, 33720 Tampere, Finland	date	•			
	* 4 * 5				
Citizenship: Finland					
ATTACHED IS ADDED PAGE TO COMBINED DE SIGNATURE BY THIRD AND SUBSEQUENT INV			POWER OF	ATTORNEY	7 FOR
		Oravi.			
* Before signing this declaration, each person signing must:					
Review the declaration and verify the corrects	ness of all in	nformatio	n therein; and	1	
 Review the specification and the claims, inclu 	idina any ar	nandmani	ts made to the	a claima '	
2. Review the specification and the claims, fileto	iumg any ai	nendmen	is made to me	Claims,	
			_		
After the declaration is signed, the specification and cl	aims are no	t to be alt	ered.		
To the inventor(s):					

The following are cited in or pertinent to the declaration attached to the accompanying application:

Title 37, Code of Federal Regulation, §1.56

Duty to disclose information material to patentability

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be

material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

Title 35, U.S. Code § 101

Inventions patentable

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Title 35 U.S. Code § 102

Conditions for patentability; novelty and loss of right to patent

A person shall be entitled to a patent unless --

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent,
- (b) the invention was patented or described in a printed publication in this or foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

Title 35, U.S. Code § 103

Conditions for patentability; non-obvious subject matter

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

Title 35, U.S. Code § 112 (in part)

Specification

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Title 35, U.S. Code, § 119

Benefit of earlier filing date in foreign country; right of priority

An application for patent for an invention filed in this country by any person who has, or whose legal representatives or assigns have, previously regularly filed an application for a patent for the same invention in a foreign country which affords similar privileges in the case of applications filed in the United States or to citizens of the United States, shall have the same effect as the same application would have if filed in this country on the date on which the application for patent for the same invention was first filed in such foreign country, if the application in this country is filed within twelve months from the earliest date on which such foreign application was filed; but no patent shall be granted on any application for patent for an invention which had been patented or described in a printed publication in any country more than one year before the date of the actual filing of the application in this country, or which had been in public use or on sale in this country more than one year prior to such filing.

Title 35, U.S. Code, § 120

Benefit or earlier filing date in the United States

An application for patent for an invention disclosed in the manner provided by the first paragraph of section 112 of this title in an application previously filed in the United States, or as provided by section 363 of this title, which is filed by an inventor or inventors named in the previously filed application shall have the same effect, as to such invention, as though filed on the date of the prior application, if filed before the patenting or abandonment of or termination of proceedings on the first application or an application similarly entitled to the benefit of the filing date of the first application and if it contains or is amended to contain a specific reference to the earlier filed application.

Please read carefully before signing the Declaration attached to the accompanying Application.

If you have any questions, please contact Morgan & Finnegan, L.L.P.